

CALIFORNIA POLYTECHNIC STATE UNIVERSITY  
San Luis Obispo, California 93407  
**ACADEMIC SENATE**  
805.756.1258

**Meeting of the  
ACADEMIC SENATE  
Tuesday, October 5, 1999  
UU220, 3:00-5:00pm**

I. Minutes: none.

II. Communication(s) and Announcement(s):

III. Reports:

- A. Academic Senate Chair:
- B. President's Office:
- C. Provost's Office
- D. Statewide Senators:
- E. CFA Campus President:
- F. ASI Representative:
- G. Other:

IV. Consent Agenda:

V. Business Item(s):

**[NOTE REGARDING BUSINESS ITEMS A THROUGH D: If you wish to submit any changes to the curriculum proposals on pages 2 through 28, the Academic Senate office must be notified, in writing, by 5pm on Friday, October 1, 1999.]**

- A. **Curriculum: 2000-2001 Catalog Changes:** Keesey, chair of the Curriculum Committee, first reading (pp. 2-19).  
**[NOTE REGARDING BUSINESS ITEM A: All 2000-2001 Catalog Changes which appear on pages 2 through 19 are also available on the web at: [http://www.calpoly.edu/~acadprog/curriculum/curriculum\\_webdir.html](http://www.calpoly.edu/~acadprog/curriculum/curriculum_webdir.html) Minor changes may be made to some proposals which will be posted on the web daily. Copies of any changes will be brought to the Senate meeting on October 5. Curriculum displays for minors, concentrations, and specializations are not included with this agenda but can be viewed at the above website.]**
- B. **Curriculum: Master of Science in Accounting:** Keesey, chair of the Curriculum Committee, first reading (pp. 20-22).
- C. **Curriculum: Master of Science in Industrial Engineering:** Keesey, chair of the Curriculum Committee, first reading (pp. 23-24).
- D. **Curriculum: Master of Public Policy:** Keesey, chair of the Curriculum Committee, first reading (pp. 25-28).
- E. **Resolution on Department Name Change for Aeronautical Engineering:** Menon for the CENG, first reading (p. 29-31).

VI. Discussion Item(s):

VII. Adjournment:

## 2000-2001 CATALOG CHANGES

### College of Agriculture (10)

I. PROGRAM CHANGES		
DEPT	PROGRAM	CHANGE
CAGR	Animal Science Specialization (MS Agriculture)	new
FNR	Forest Resources-Watershed, Chaparral and Fire Mgt Concentration <i>to</i> Forest Resources-Wildland Fire and Fuels Mgt (BS Forestry & Natural Resources)	name change
MSC	Military Science Minor	new

II. CURRICULUM CHANGES (addition/deletion of non-departmental courses)	
PROGRAM	CHANGE
AG Science	
Ag. Supplies & Services Concentration	Delete AGB 302 (3) Change AGB electives <i>from</i> (7) <i>to</i> (10) (2 units at 300-400 level)
Crop & Soil Science Concentration	Add SS <i>to</i> choice of electives
FSN	
Applied Nutrition Conc.	Delete ANT 201 Cultural Anthropology (4) Add FSN 263 (2) and PSY 201/202 General Psychology (3)
Nutrition Minor	Delete PSY 317 <i>from</i> Community Nutrition emphasis choices Add ANT 401 <i>to</i> Community Nutrition emphasis choices
FNR	
Wildland, Fire, and Fuels Concentration	Delete FNR 360 (4) and SS 440 Forest and Range Soils (4) Add FNR 340 (2) and FNR 455 (3) Change Restricted electives <i>from</i> (7) <i>to</i> (10)
SS	Add CSC 110 <i>to</i> choice of AG 250/CSC 111

III. COURSE CHANGES					
DEPT	COURSE NUMBER, TITLE Change Number, Title <i>from</i> / <i>to</i> :	CHANGE	(TOTAL UNITS) MODE <i>from:</i> <i>to:</i>		OTHER
AGB	AGB 304 Agribusiness Marketing Management	delete	(3) 3 lec		
	AGB 339 Internship in Agribusiness	new	(1-12) supv		cr/nc
	AGB 444 Wine Compliance and Market Analysis	edit	(4) 3 lec 1 lab	(4) 4 lec	
AGED	Create new prefix, AGC -- Agricultural Communication	new			
	AGC 200 Special Problems in Agricultural Communication	new	(1-4) supv		max 8 units, max 4 per quarter
	AGC 339 Internship in Agricultural Communication	new	(1-12) supv		cr/nc

	AGC 400 Advanced Special Problems in Agricultural Communication	new	(1-4) supv		max 8 units, max 4 per quarter
	AGC 407 Agricultural Publications (replacing AGED 407)	new	(3) 1 lec, 2 act		cr/nc, max 9 units; may be in same term
	AGC 426 Presentation Methods in Agricultural Communication (replacing AGED 426)	new	(3) 3 act		
	AGC 461 Senior Project	new	(2) supv		
	AGC 462 Senior Project	new	(2) supv		
	AGC 470 Selected Advanced Topics	new	(1-3) 1-3 lec		max 6 units
	AGC 471 Selected Advanced Laboratory	new	(1-3) 1-3 labs		max 6 units
	AGC 500 Individual Study in Agricultural Communication	new	(1-3) supv		max 6 units
	AGC 539 Graduate Internship in Agricultural Communication	new	(1-9) supv		
	AGC 570 Selected Topics in Agricultural Communication	new	(1-3) 1-3 sem		max 9 units
	AGC 571 Selected Advanced Laboratory in Agricultural Communication	new	(1-3) 1-3 labs		max 6 units
	AGC 580 Special Problems in Agricultural Communication	new	(1-3) supv		max 9 units, not more than 3 in any one quarter
	AGC 581 Graduate Seminar in Agricultural Communication	new	(3) 3 sem		
	AGED 200 Special Problems in Agricultural Education	new	(1-4) supv		max 8 units, max 4 per quarter
	AGED 400 Advanced Special Problems in Agricultural Education	new	(1-4) supv		max 8 units, max 4 per quarter
	AGED 407 Agricultural Publications (replaced by AGC 407)	delete	(3) 1 lec, 2 act		
	AGED 426 Presentation Methods in Agricultural Communication (replaced by AGC 426)	delete	(3) 3 act		
ASCI	ASCI 340 – Computer Applications in Ration Formulation	new	(2) 2 act		
	ASCI 346 – Equine Nutrition	new	(3) 3 lec		DL course from CPSU, Pomona
	ASCI 347 – Equine Exercise Physiology	new	(3) 3 lec		DL course from CPSU, Pomona
	ASCI 350 – Applied Non Ruminant Nutrition (replacing PM 350)	new	(4) 3 lec, 1 lab		
	ASCI 405 – Domestic Livestock Endocrinology	new	(4) 4 lec		
	PM 350 Applied Poultry Feeding and Nutrition (replaced by ASCI 350)	delete	(3) 3 lec		
	VS 210 Technical Veterinary Skills	new	(3) 2 sem, 1 act		

BRAE	BRAE 321 Agricultural Safety	mode change	(3) 3 lec	(3) 2 lec, 1 act	
	BRAE 335 Internal Combustion Engines	mode change	(4) 2 lec, 2 labs	(4) 3 lec, 1 lab	
	BRAE 418 Management of Technological Projects I to Agricultural Systems Management I	title change			
	BRAE 419 Management of Technological Projects II to Agricultural Systems Management II	mode, title changes	(4) 3 lec, 1 lab	(4) 2 lec 2 lab	
CRSC	VGSC 250 Vegetable Science for the Urban Gardener	delete	(3) 2 lec, 1 lab		MCF (to VGSC 260)
	VGSC 260 Vegetable Gardening, Nutrition and History	new	(4) 3 lec, 1 lab		MCF (from VGSC 250)
EHS	EHS 382 Restoration Horticulture	new	(4) 3 lec, 1 lab		
NRM	FNR 215 Land and Resource Measurements	new	(1) 1 laboratory		
	FNR 260 Forest Harvesting and Utilization	change	(3) 2 lec 1 lab	(4) 3 lec 1 lab	existing mcf course
	FNR 365 Silviculture and Vegetation Management	change	(3) 2 lec 1 lab	(4) 3 lec 1 lab	existing mcf course
	FNR 455 Urban-Wildland Interface Fire Protection	new	(3) 2 lec 1 lab		
	FNR 464 Advanced GIS Practicum	new	(1) 1 lab		
	FNR 575 Research Methods in Advanced Watershed Hydrology	new	(2) 2 lab		
FSN	FSN 263 Professional Practice in Applied Nutrition	new	(2) 2 sem		
	FSN 410 Nutritional Implications of Food Industry Practices	mode change	(4) 3 lec, 1 act	(4) 4 sem	
	FSN 461 Senior Project	change	(2-3) supv	(2) supv	
	FSN 462 Senior Project	change	(2-3) supv	(2) supv	
MSC	MSC 217 Institutionalizing Diversity: The U.S. Army	new	(3) 3 lec		USCP
SS	SS 300 Enterprise Project	delete	(2-4) supv		
	SS 501 Research Planning	change	(3) 3 lec	(4) 4 lec	



## 2000-2001 CATALOG CHANGES

### College of Architecture and Environmental Design (20)

I. PROGRAM CHANGES		
DEPT	PROGRAM	CHANGE
CAED	City and Regional Planning Minor	New
	Environmental Design Minor	New
	Real Property Development Minor	New
	Sustainable Environments Minor	New

II. CURRICULUM CHANGES (addition/deletion of non-departmental courses)	
PROGRAM	CHANGE
ARCE	Change <i>from</i> choice of <u>two</u> courses (3) (3) <i>to</i> choice of <u>one</u> (4): ARCH 317, 318, 319
ARCH/CRP	MCRP, Architectural Planning Track
CRP	Delete choice of one course <i>from</i> : BUS 387/POLS//PSY 202 (4)
LA	Change <i>from</i> choice of BIO 129/BOT 121 <i>to</i> BIO 114/BOT 121
	Change <i>from</i> choice of BOT 238/EHS 81 <i>to</i> LA 221/EHS 381
LA/COB	MBA, Landscape Architecture Management Track
LA/CRP	MCRP, Landscape Architectural Planning Track

III. COURSE CHANGES					
DEPT	COURSE NUMBER, TITLE Change Number, Title <i>from</i> / <i>to</i> :	CHANGE	(TOTAL UNITS) MODE <i>from:</i> <i>to:</i>		OTHER
ARCE	no ARCE course changes				no changes
ARCH	ARCH 317 History of Architecture <i>to</i> History of Architecture: Prehistory - Middle Ages	change, edit	(3) 3 lec	(4) 4 lec	GE C3
	ARCH 318 History of Architecture <i>to</i> History of Architecture: Middle Ages - 18th Century	change, edit	(3) 3 lec	(4) 4 lec	GE C3
	ARCH 319 History of Architecture <i>to</i> History of Architecture: 18th Century - Present	change, edit	(3) 3 lec	(4) 4 lec	GE C3
	ARCH 447 Design Regulations	new	(4) 3 lec, 1 act		crosslist with CRP
CM	CM 315 Fiscal and Project Feasibility	new	(4) 3 lec, 1 lab		crosslist with CRP
	CM 364 Project Administration	edit	(3) 3 act	3 labs	
	CM 475 Real Property Development Principles	new	(4) 4 lec		

CRP	CRP 111 Intro to Drawing & Perspective	delete	(3) 3 labs		content moved to CRP 201
	CRP 112 Basic Graphics	delete	(3) 3 labs		content moved to CRP 201
	CRP 201 EDES Fundamentals to Basic Graphic Skills	change, edit	(3) 3 labs	(4) 4 labs	
	CRP 202 EDES Fundamentals to Introduction to Environmental Design	change, edit	(3) 3 labs	(4) 4 labs	
	CRP 203 Applied Design & Plan Fund to Intermediate Environmental Design	change, edit	(3) 3 labs	(4) 4 labs	existing mcf course
	CRP 211 Intro Urbanization to Cities: Form, Culture and Evolution	change, edit	(3) lec	(4) 4 lec	GE F2
	CRP 212 Intro Urban Planning	change	(3) lec	(4) 4 lec	GE F2
	CRP 213 Popul & Housing Studies to Population, Housing and Economic Applications	change, edit	(3) lec	(4) 3 lec, 1 act	
	CRP 214 Land Use and Transportation Studies	change	(3) lec	(4) 3 lec, 1 act	
	CRP 216 Computer Applications for Planning	change	(3) 1 lec, 2 lab	(4) 2 lec, 2 lab	existing mcf course
	CRP 315 Econ & Fiscal Analysis Plan to Fiscal and Project Feasibility	change, edit	(3) 3 lec	(4) 3 lec, 1 lab	crosslist w/ CM 315
	CRP 333 Cities in a Global World	new	(4) 3 lec, 1 act		
	CRP 336 Regional and Environmental Planning Foundations	new	(4) 3 lec, 1 lab		
	CRP 341 Community Design Laboratory	new	(4) 4 lab		replacing CRP 347 & 348
	CRP 342 Regional and Environmental Planning	change		(4) 2 lec, 2 lab	from CRP 451, 452
	CPR 347, 348 Urban and Regional Design	delete	(3)(3) 3 labs each		replaced by CRP 341
	CRP 351/352/353 Community Planning Lab to CRP 410, 411	change	(4)(4)(4) 4 labs each	(5)(5) 5 labs each	to CRP 410, 411; existing mcf courses
	CRP 412 Implementation	new	(4) 3 lec, 1 act		
	CRP 430 Planning Administration to Public Sector Planning Practice	edit			
	CRP 436 Collaborative Planning	new	(4) 3 lec, 1 lab		
	CRP 446 Development Review and Entitlement	new	(4) 3 lec, 1 act		
	CRP 447 Design Regulations	change	(3) 3 lec	(4) 3 lec, 1 act	crosslist with ARCH?
	CRP 451, 452 Regional and Environmental Planning Lab to CRP 342 Regional and Environmental Planning	change	(4) (4) 4 lab, 4 lab	(4) 2 lec, 2 lab	to CRP 342
	CRP 461 Senior Project	edit	(2) supv	(2) 2 sem	mode change
	CRP 462 Senior Project	edit	(2) supv	(2) 2 supv	no change
	CRP 483 Special Studies in City & Regional Planning	new	(1-12) act		repeatable, max 12 units
	CRP 518 Public Policy Analysis	edit	(4) 4 sem	(4) 4 lec	crosslist with POLS 518
	CRP 596 Professional Project	new	(4) supv		
EDES	EDES 410 Advanced Implementation of Sustainable Principles	new	(4) 2 sem, 2 supv		

LA	LA 212 Site Analysis	delete	(3) 2 lec, 1 lab		
	LA 221 Native Plants for Landscape Architects	new	(3) 2 lec, 1 lab		
	LA 344 Form and Materials	new	(4) 2 lec, 2 act		
	LA 349 Advanced Planting Design	new	(3) 2 lec, 1 act		

## 2000-2001 CATALOG CHANGES

### College of Business (40)

<b>I. PROGRAM CHANGES</b>		
<b>AREA</b>	<b>PROGRAM</b>	<b>CHANGE</b>
<b>ACTG</b>	MS Accounting	New
	(BS Business Administration): Concentration: Accounting	Delete
	Concentration: Accounting Information Systems	New
	Concentration: Enterprise Accounting	New
	Concentration: Public Accounting	New
<b>IT</b>	Master of Arts in Industrial and Technical Studies <i>to</i> Master of Science in Industrial and Technical Studies	Change

<b>II. CURRICULUM CHANGES (addition/deletion of non-departmental courses)</b>	
<b>PROGRAM</b>	<b>CHANGE</b>
<b>Bus Admin</b>	Add IT 301 Technological Issues: Manufacturing and Society (4) <i>to</i> Support Courses
<b>MBA</b>	Landscape Architecture Management Track

<b>III. COURSE CHANGES</b>					
<b>DEPT</b>	<b>COURSE NUMBER, TITLE</b> Change Number, Title <i>from / to:</i>	<b>CHANGE</b>	<b>(TOTAL UNITS) MODE</b>		<b>OTHER</b>
			<i>from:</i>	<i>to:</i>	
<b>BUS</b>	BUS 314 Tax Accounting (replaced by BUS 320)	delete	(4) 4 lec		
	BUS 320 Taxation of Business Entities (replacing BUS 314)	new	(4) 4 lec		
	BUS 391: Management Information Systems <i>to</i> BUS 291	#/level change	(4) 3 lec, 1 lab		
	BUS 392 Functional Information Systems	new	(4) 3 lec, 1 act		
	BUS 405 Joint Ventures and Alliances	new	(4) 4 lec		
	BUS 420 Advanced Accounting <i>to</i> BUS 422 Government and Not-For- Profit Entities	edit	(4) 4 lec		
	BUS 429 Enterprise Wide Business Processes	new	(4) 3 lec, 1 act		
	BUS 463 Applied Accounting and Auditing Research	new	(4) supv		
	BUS 501 Managerial Accounting and Managerial Economics I	new	(5) 5 lec		
	BUS 502 Managerial Finance and Managerial Economics II	new	(4) 4 lec		
<b>GSA</b>	Create new prefix, GSA -- Graduate Studies-Accounting	new			



	GSA 535 Legal Aspects of Commercial Transactions	new	(4) 4 sem		
	GSA 541 Advanced Financial Reporting Issues I	new	(4) 4 sem		
	GSA 542 Auditing	new	(4) 4 sem		
	GSA 543 Advanced Financial Reporting Issues II	new	(4) 4 sem		
	GSA 544 Advanced Enterprise Wide Business Processes	new	(4) 4 sem		
	GSA 545 Applied Research and Communications	new	(4) supv		
	GSA 546 Tax Research and Administrative Procedures	new	(4) 2 sem, 2 act		
	GSA 547 Corporate Taxation	new	(4) 4 sem		
	GSA 548 Advanced Individual Taxation & Tax Planning	new	(4) 4 sem		
	GSA 549 Taxation of Flow-Through Entities	new	(4) 4 sem		
	GSA 550 Advanced Corporate Taxation	new	(4) 4 sem		
	GSA 590 Internship	new	(9) supv		
GSB	GSB 561 Sem in Joint Ventures and Alliances	new	(4) 4 sem		
	GSB 569 Managing Technology in the International Legal Environment	new	(4) 4 sem		
	***GSB 579 Advanced Sem in International Business Management **need different course number**	new	(4) 4 sem		
IT	IT 301 Current Technological Issues to Technological Issues: Manufacturing and Society	change	(3) 3 sem	(4) 2 lec, 2 act	GE F2
	IT 345 Applied Production Management to IT 407 Applied Business Operations	change	(4) 2 lec, 2 act	(4) 1 lec, 3 act	
	IT 505 Graduate Sem (replaced by IT 510 and IT 514)	delete	(3) supv		
	IT 510 Impact of Science and Technology	new	(4) sem		
	IT 512 Improving Productivity through Technology	new	(4) sem		
	IT 514 Commercializing Technological Development	new	(4) sem		
	IT 515 Historical and Philosophical Perspective of American Industry (replaced by IT 512)	delete	(3) 3 sem		
	IT 520 Organization and Administration of Industrial and Technical Environments to Management of Technology	change	(3) 3 sem	(4) 4 lec	
	IT 521 Training in Industrial and Technical Systems	change	(3) 3 sem	(4) 4 lec	
	IT 522 Facility Planning	change	(3) 3 sem	(4) 4 lec	
	IT 527 Technical Trends and Issues to Trends and Issues in Technology Management	change	(3) 3 sem	(4) 4 sem	

## 2000-2001 CATALOG CHANGES

### College of Engineering (52)

I. PROGRAM CHANGES		
DEPT	PROGRAM	CHANGE
AERO	Department name from Aeronautical Engineering <i>to</i> Aerospace Engineering	Name change
	BS Aeronautical Engineering <i>to</i> BS Aerospace Engineering	Name change
	MS Aeronautical Engineering <i>to</i> MS Aerospace Engineering	Name change
IME	MS Industrial Engineering	New program

II. CURRICULUM CHANGES (addition/deletion of non-departmental courses)	
PROGRAM	CHANGE
BS AERO	Add CSC 234 as option <i>to</i> CSC 231.
BS EE	Delete CHEM 125 <i>from</i> list of Support Courses
BS IE	Choice of either CSC 234 (3) or CSC 111 (3). Delete STAT 321 (4) <i>from</i> support course column Add STAT 312 (4) <i>to</i> support course column
BS Mfg Engr	Add ME 328 <i>to</i> list of technical electives Delete STAT 321 (4) <i>from</i> support course column Add STAT 312 (4) <i>to</i> support course column

III. COURSE CHANGES					
DEPT	COURSE NUMBER, TITLE Change Number, Title <i>from / to:</i>	CHANGE	(TOTAL UNITS) MODE <i>from:</i> <i>to:</i>		OTHER
AERO	Change AERO prefix name from Aeronautical Engineering <i>to</i> Aerospace Engineering	prefix name			
	AERO 451 Orbital Mechanics I <i>to</i> Spaceflight Dynamics I	edit	(4) 4 lec		
	AERO 452 Orbital Mechanics II <i>to</i> Spaceflight Dynamics II	edit	(4) 4 lec		
	AERO 463 Senior Project Laboratory	new	(2) 2 lab CS 16		
	AERO 464 Senior Project Laboratory	new	(3) 3 lab CS 16		
	AERO 520 Theoretical Aerodynamics <i>to</i> Applied Airplane Aerodynamics	edit	(4) 4 sem		
	AERO 521 Missile and Launch Vehicle Aerodynamics	new	(4) 4 lec		
	AERO 541 Aircraft Gas Turbine Engines <i>to</i> Air Breathing Propulsion	edit	(4) 4 sem		
	AERO 560 Spacecraft Dynamics and Control	new	(4) 4 lec		
CE & ENVE	CE 402 Advanced Strength of Materials II	new	(4) 4 lec		



	CE 405 Advanced Strength of Materials to CE 401 Advanced Strength of Materials I	change	(3) 3 lec	(4) 4 lec	
	CE 457 Bridge Engineering	new	(4) 3 lec 1 lab		
	CE 466 Senior Project Design Laboratory I	new	(2) 2 lab CS 16		
	CE 467 Senior Project Design Laboratory II	new	(2) 2 lab CS 16		
	CE 501 Advanced Matrix Analysis of Structures I (if approved, delete CE 554)	new	(4) 3 lec 1 lab		
	CE 504 Advanced Finite Element Analysis I (if approved, delete CE 558)	new	(4) 3 lec 1 lab		
	CE 505 Advanced Finite Element Analysis II	new	(4) 3 lec 1 lab		
	CE 554 Matrix Analysis of Structures (delete only if CE 501 is approved)	delete?	(3) 3 lec		
	CE 558 Introduction to Finite Element Analysis (delete only if CE 504 approved)	delete?	(3) 3 lec		
CPE	CPE 102 Fundamentals of Computer Science II	edit	(4) 3 lec 1 act	(4) 3 lec 1 lab	(cross-listed CSC)
	CPE 103 Fundamentals of Computer Science III	edit	(4) 3 lec 1 act	(4) 3 lec 1 lab	" "
CSC	CSC 102 Fundamentals of Computer Science II	edit	(4) 3 lec 1 act	(4) 3 lec 1 lab	cross-listed CPE
	CSC 103 Fundamentals of Computer Science III	edit	(4) 3 lec 1 act	(4) 3 lec 1 lab	" "
	ENVE 324 Introduction to Air Pollution	change	(3) 3 lec	(4) 4 lec	existing GE F2
	ENVE 330 Environmental Quality - Control	change	(3) 3 lec	(4) 4 lec	existing GE F2
	ENVE 466 Senior Project Design Laboratory I	new	(2) 2 lab CS 16		
	ENVE 467 Senior Project Design Laboratory II	new	(2) 2 lab CS 16		
EE	EE 500 Individual Study	change	(1-3) supv		max # units: 9
IME	IME 241 Manufacturing Process Design I	change	(1) 1 lab	(4) 3 lec 1 lab	
	IME 242 Manufacturing Process Design II to IME 351	change			
	IME 243 Manufacturing Process Design III to IME 352	change			
	IME 251 Introduction to Manufacturing Engineering Analysis	change	(3) 3 lec	(4) 2 lec 2 lab	
	IME 312 Data Management and System Design	change	(3) 3 lec	(4) 3 lec 1 lab	
	IME 481 Senior Project Design Lab I	new	(2) 2 labs, CS 16		
	IME 482 Senior Project Design Lab II	new	(3) 3 labs, CS 16		
	IME 461, 462 Senior Project	mode	(2)(3) supv	(2)(3) lab	
	IME 501 Graduate Survey I	change	(3) 3 sem	(4) 4 lec C4	
	IME 502 Graduate Survey II	change	(3) 3 sem	(4) 4 lec C4	

	IME 503 Advanced Statistical Methods in Industrial Engineering	new	(4) 3 lec (C4), 1 act		Sept 15, 1999: pending resolution with Statistics Dept
	IME 541 Advanced Operations Research	change	(3) 3 sem	(4) 3 lec (C4), 1 lab	
	IME 542 Reliability Engineering II	change	(3) 3 sem	(4) 3 lec (C4), 1 lab	
	IME 544 Advanced Topics in Engineering Economy	change	(3) 3 sem	(4) 3 lec (C4), 1 act	
	IME 545 Advanced Topics in Simulation	change	(3) 2 sem, 1 lab	(4) 3 lec (C4), 1 lab	
MATE	MATE 140 The Way Things Work	delete	(4) 4 lec		
	MATE 230 Metals <i>to</i> MATE 230 Physical Metallurgy	title/edit	(4) 4 lec		
	MATE 235 Metals Lab <i>to</i> MATE 235 Physical Metallurgy Lab	title/edit	(1) 1 lab		
	MATE 467-Senior Project Design Laboratory for Materials Engineers	new	(4) 4 labs. CS 16		
ME	No ME course changes				no changes



## 2000-2001 CATALOG CHANGES College of Liberal Arts (48)

I. PROGRAM CHANGES		
DEPT	PROGRAM	CHANGE
POLS	Master of Public Policy	New program
CLA	Western Intellectual Tradition Minor	New

II. CURRICULUM CHANGES (addition/deletion of non-departmental courses)	
PROGRAM	CHANGE
LS	Add KINE 250/255 to Credential Track
PSY	
Gerontology Minor	Change from POLS 425 to POLS 455 in Adviser approved electives

III. COURSE CHANGES					
DEPT	COURSE NUMBER, TITLE Change Number, Title <i>from / to:</i>	CHANGE	(TOTAL UNITS) MODE <i>from: to:</i>		OTHER
ART	ART 335 Digital 3D Modeling and Design	new	(4) 2 lec 2 act		
	ART 348 Intermediate Sculpture to ART 248 Intermediate Sculpture	level/#	(3) 3 act		Change max to 3; no longer repeatable; existing mcf course
	ART 487 Designing for the World Wide Web to ART 487 Web Design	edit	(3) 2 lec 1 lab		
ENGL	ENGL 115 Graduation Writing Requirement Preparation	new	(4) 4 lec		CR/NC; not for bacc. credit
	ENGL 200 Special Problems for Undergraduates	delete	(1-2) supv		
ES	No EE course changes				no changes
GRC	No GRC course changes				no changes
HIST	HIST 450 History Internship	change	(8-12) 8-12 supv	(6-12) 6-12 supv	
HUM	No HUM course changes				no changes
JOUR	JOUR 320 Telecommunications and Broadcasting	new	(4) 4 lec		
	JOUR 410 Computer Assisted Reporting	new	(4) 3 lec 1 lab		
	JOUR 412 Applied Public Relations	new	(4) 3 lec 1 act		
LS	LS 461 Senior Project	edit	(3) supv	(3) 1 sem, 2 act (C5/13)	

<b>MLL</b>	FR 405 French Literature in English Translation <i>to</i> FR 350	edit	(4) 4 lec		
	GER 405 German Literature in English Translation <i>to</i> GER 350	edit	(4) 4 lec		
	SPAN 405 Hispanic Literature in English Translation <i>to</i> SPAN 350	edit	(4) 4 lec		
	SPAN 460 Senior Project <i>to</i> FORL 460	prefix	(4) supv		
	FORL 470 Selected Advanced Topics	change	(1-4) lec, variable	(4) lec, not variable	
	FR 470 Selected Advanced Topics	change	(1-4) lec, variable	(4) lec, not variable	
	GER 470 Selected Advanced Topics	change	(1-4) lec, variable	(4) lec, not variable	
	SPAN 410 Advanced Literature in Spanish	edit	(4) 3 lec, 1 act	(4) 4 lec	
	SPAN 470 Selected Advanced Topics	change	(1-4) lec, variable	(4) lec, not variable	
<b>MU</b>	MU 327 Concert Attendance (London)	delete	(1) 1 act		GE C3
<b>POLS</b>	POLS 346 Politics in Literature	new	(4) 4 lec		
	POLS 388 Field Study	new	1-4 act		cr/nc; max 6 units
	POLS 441 Voting Behavior and Elections	new	(4) 4 lec		
	POLS 452 Politics of Finance and Planning <i>to</i> Public Finance	edit	(4) 4 lec		
	POLS 454 Public Personnel Administration <i>to</i> Public Personnel Policy	edit	(4) 4 lec		
	POLS 455 Public Policy Analysis <i>to</i> Public Policy	edit	(4) 4 lec	(4) 3 lec & research paper	
	POLS 500 Independent Study	new	(1-4)		max 4 units
	POLS 518 Public Policy Analysis	new	(4) 4 lec		x-list as CRP 518
	POLS 586 Policy Internship	new	(4-8)		cr/nc; max 8 units
	POLS 590 Graduate Seminar	new	(4) 4 sem		max 8 units
<b>PSY</b>	CD 309 Learning, Development, and Technology I	edit	(4) 4 lec	(4) 4 act	mode change
	PSY 339 Psychology of Religion	new	(4) 4 lec		
<b>SOCS</b>	ANT 420 Development Anthropology	delete	(4) 4 lec		
	GEOG 305 Political Geography	delete	(4) 4 lec		
	GEOG 310 Urban Geography	delete	(4) 4 lec		
	GEOG 414 Climatology	new	(4) 3 lec, 1 lab		
	SOCS 200 Special Problems for Undergraduates	change	(1-4) 1-4 supv		change to max 4 units, 2 per quarter
	SOCS 400 Special Problems for Advanced Undergraduates	change	(1-4) 1-4 supv		change to max 8 units, 4 per quarter
<b>SPC</b>	no SPC course changes				no changes
<b>TH &amp; DANC</b>	DANC 134 Beginning Social Dance <i>to</i> Beginning Ballroom Dance	edit	(2) 2 act		max 4 units
	DANC 135 International Folk Dance	change	(1) 1 act	(2) 2 act	max 4 units
	DANC 139 Beginning Tap	new	(2) 2 act		max 6 units
	DANC 234 Intermediate Social Dance <i>to</i> Intermediate Ballroom Dance	edit	(2) 2 act		max 4 units



	DANC 321 Dance History <i>to</i> Cultural Influences on Dance in America	change, edit	(3) 3 lec	(4) 4 lec	GE C3; proposed USCP
	DANC 340 Dance Improvisation and Composition <i>to</i> Dance Composition	change, edit	(3) 1 lec, 2 act	(4) 1 lec, 1 lab, 2 act	max 8 units
	DANC 345 Choreography and Workshop in Concert Preparation <i>to</i> Choreography and Workshop in Dance Concert Preparation	change, edit	(3) 1 sem, 2 labs	(4) 2 labs, 2 act	mode change; max 16 units
	DANC 346 Dance Production	change	(3) 3 labs	(4) 3 labs, 1 act	max 16 units
	TH 210 Introduction to Theatre	change	(3) 3 lec	(4) 4 lec	GE C2
	TH 240 Improvisational Theatre	new	(4) 2 lec, 2 act		
	TH 310 Women's Theatre	change	(3) 3 lec	(4) 4 lec	GE C3
	TH 320 Black Theatre	change	(3) 3 lec	(4) 4 lec	GE C3; USCP
	TH 327 Theatre History and Literature <i>to</i> Theatre History: Classical	change, edit	(3) 3 lec	(4) 4 lec	GE C3
	TH 328 Theatre History and Literature <i>to</i> Theatre History: 18th Century to Contemporary	change, edit	(3) 3 lec	(4) 4 lec	GE C3
	TH 330 Stagecraft	change, edit	(3) 3 labs	(4) 4 act	mode change; max 9 units
	TH 340 Acting <i>to</i> Fundamentals of Acting	change	(3) 2 lec, 1 act	(4) 4 lec	mode change
	TH 342 Directing	change	(3) 1 lec, 2 act	(4) 2 lec, 2 sem	mode change
	TH 345 Rehearsal and Performance	change	(3) 3 labs	(4) 4 labs	max 8 units
	TH 350 Advanced Playwriting <i>to</i> Seminar in Playwriting	change, edit	(3) 3 sem	(4) 4 sem	
	TH 380 Children's Drama	change	(3) 1 sem, 2 act	(4) 2 lec, 2 sem	mode change
	TH 430 Introduction to Stage Design: Scenery	change	(3) 1 sem, 2 act	(4) 3 lec, 1 act	mode change
	TH 432 Introduction to Stage Design: Costume	change	(3) 1 sem, 2 act	(4) 3 lec, 1 act	mode change
	TH 434 Introduction to Stage Design: Lighting and Sound	change	(3) 1 sem, 2 act	(4) 3 lec, 1 act	mode change
	TH 440 Advanced Acting	change	(3) 3 lec	(4) 4 lec	
WS	no WS course changes				no changes

## 2000-2001 CATALOG CHANGES

### College of Science and Mathematics (76)

I. PROGRAM CHANGES		
DEPT	PROGRAM	CHANGE
PHYS	Physics Minor	new

II. CURRICULUM CHANGES (addition/deletion of non-departmental courses)	
PROGRAM	CHANGE
CSM	
Biotechnology Minor	Delete DSCI 450 <i>from</i> restricted elective choices
BS Eco&Sys Bio	Change <i>from</i> FNR 403 <i>to</i> FNR 416 in Support Courses
CHEM	Change <i>from</i> choice of CSC 110/113 <i>to</i> choice of CSC 111/234
STAT	Add MATH 333 as alternative <i>to</i> CSC 342 Change <i>from</i> choice of CSC 101/110 <i>to</i> choice of CSC 101/231 Delete CSC 102 as alternative <i>to</i> CSC 234

III. COURSE CHANGES					
DEPT	COURSE NUMBER, TITLE Change Number, Title <i>from</i> / <i>to</i> :	CHANGE	(TOTAL UNITS) MODE <i>from:</i> <i>to:</i>		OTHER
CSM	SCM 310 Biosphere 2: Earth Systems Science	new	(6) 3 lec, 3 labs		
	SCM 311 Biosphere 2: Conservation Biology	new	(6) 3 lec, 3 labs		
	SCM 312 Biosphere 2: Law, Politics, and Economics of Global Change	new	(5) 2 lec, 3 labs		
	SCM 313 Biosphere 2: Independent Research in Environmental Science and Policy	new	(3) 3 labs		
	SCM 314 Biosphere 2: Planetary Management Seminar and Laboratory	new	(4) 1 sem, 3 labs		
BIO	BIO 113 Animal Diversity and Ecology (replacing BIO 127 and BIO 128)	new	(4) 2 lec, 2 labs		GE B1b from BIO 127 & 128
	BIO 114 Plant Diversity and Ecology (replacing BIO 129)	new	(4) 2 lec, 2 labs		GE B1b from BIO 129
	BIO 127 Natural History: Animal Adaptations (replaced by BIO 113)	delete	(3) 2 lec, 1 lab		GE B1b
	BIO 128 Natural History: Animal Communities (replaced by BIO 113)	delete	(3) 2 lec, 1 lab		GE B1b
	BIO 129 Natural History: Plant Communities (replaced by BIO 114)	delete	(3) 1lec, 2 labs		GE B1b
	BIO 328 Marine Biology	change	(4) 2 lec, 2 labs	(5) 3 lec, 2 labs	existing GE B1b



<b>CHEM</b>	CHEM 216 Organic Chemistry I	change	(4) 3 lec, 1 lab	(5) 4 lec, 1 lab	GE B1a
	CHEM 218 Organic Chemistry III	new	(3) 3 lec		replacing lecture portion of CHEM 318
	CHEM 318 Organic Chemistry III	delete	(5) 3 lec, 2 labs		GE B1a; replaced by CHEM 218 and CHEM 319
	CHEM 319 Advanced Organic Chemistry Laboratory	new	(2) 2 labs		replacing lab portion of CHEM 318
<b>MATH</b>	MATH 300 Microcomputers in Mathematics Education <i>to</i> Technology in Mathematics Education	edit			
	MATH 327 Introduction to Modern Mathematics <i>to</i> Mathematics for Elementary Teaching I	change, edit	(4) 4 lec	(4) 2 lec, 2 act	
	MATH 328 Introduction to Modern Mathematics <i>to</i> Mathematics for Elementary Teaching III	change, edit	(4) 4 lec	(4) 2 lec, 2 act	existing GE B2
	MATH 329 Mathematical Applications to Elementary Teaching <i>to</i> Mathematics for Elementary Teaching III	change, edit	(3) 2 lec, 1 act	(4) 2 lec, 2 act	
	MATH 408 Functions of a Complex Variable <i>to</i> Complex Analysis I	edit			
	MATH 409 Complex Analysis <i>to</i> Complex Analysis II	edit			
<b>PE</b>	KINE 420 Administration of Aquatic Programs <i>to</i> Aquatic Facility Management and Operation	change, edit	(3) 3 lec	(4) 4 lec	
	KINE 462 Senior Project	change	(1) 1 supv	(1-3) 1-3 supv	
	KINE 502 Current Trends and Issues in Physical Education <i>to</i> Current Trends and Issues in Physical Education and Sport	edit			
	KINE 511 Administration of Physical Education and Athletics <i>to</i> Administration of Athletics	edit			
	KINE 539 Development, Observation and Analysis of teaching Physical Education <i>to</i> Observation and Analysis of Teaching Physical Education and Coaching Sports	edit			
<b>PHYS</b>	PHYS 212 Modern Physics II	change	(3) 3 lec	(4) 4 lec	GE B1a
	PHYS 340 Quantum Physics Laboratory I	change	(1) 1 lab	(2) 1 lec, 1 lab	GE B1a
	PHYS 463 Senior Project - Laboratory Research	new	(2) 2 labs		
	PHYS 464 Senior Project - Laboratory Research	new	(2) 2 labs		
<b>STAT</b>	no STAT course changes				no changes

## 2000-2001 CATALOG CHANGES

### University Center for Teacher Education (63)

I. PROGRAM CHANGES		
DEPT	PROGRAM	CHANGE
	MA Education with Specialization in Reading <i>name change to</i> Specialization in Literacy and Reading.	Name change
	Special Education Credential Program <i>replaced by:</i> Education Specialist in Mild/Moderate or Moderate/Severe Disabilities	Change
	Reading/Language Arts Specialist Credential <i>has been discontinued</i>	Discontinued

II. CURRICULUM CHANGES (addition/deletion of non-departmental courses)	
PROGRAM	CHANGE

III. COURSE CHANGES					
DEPT	COURSE NUMBER, TITLE Change Number, Title <i>from / to:</i>	CHANGE	(TOTAL UNITS) MODE <i>from: to:</i>		OTHER
	EDUC 400	change	(1-3) supv	(1-4) supv	
	EDUC 439 Orientation to the Teaching of Special Pupils	new	(2) 1 sem, 1 act		CR/NC
	EDUC 500	change	(1-3) supv	(1-4) supv	
	EDUC 520 Reading/Language Arts Instruction for Special Educators	new	(5) 4 sem, 1 act		
	EDUC 521 Special Education and Instruction in the K-12 Curriculum	new	(4) 3 sem, 1 act		
	EDUC 525 Reading Processes, Programs and Technology <i>to</i> Literacy, Reading Processes, Programs and Technology	editorial title			
	EDUC 526 Diagnosing & Remediating Reading Problems <i>to</i> Diagnostics Procedures in Literacy and Reading	editorial title			
	EDUC 530 Secondary, College & Adult Reading <i>to</i> Secondary, College and Adult Literacy Practices	editorial title			

	EDUC 534 Field Experience in General and Special Education	new	(4) supv		CR/NC Repeatable to 8 units
	EDUC 535 General and Special Education Seminar	new	(2) 2 sem		CR/NC
	EDUC 536 Special Education Field Experience: Behavior Management	new	(4) supv		CR/NC Repeatable to 8 units
	EDUC 537 Special Education Seminar: Behavior Management	new	(2) sem		CR/NC
	EDUC 538 Special Education Field Experience: Instructional Strategies	new	(4) supv		CR/NC Repeatable to 8 units
	EDUC 539 Special Education Seminar: Assessment and Transition	new	(2) 2 sem		CR/NC
	EDUC 540 Counseling and Career Guidance of Exceptional Students to Support and Transition Strategies in Special Education	change	(4) 3 sem, 1 act	(4) 4 sem	
	EDUC 542 Administration of Special Programs and Services	change	(3) 3 sem	(4) 3 sem, 1 act	
	EDUC 545 The Learning Handicapped: Characteristics/Teaching Strategies to Characteristics and Instruction of Pupils with Mild/Moderate Disabilities	editorial title			
	EDUC 546 Teaching Strategies for the Severely Handicapped to Teaching Strategies for Pupils with Moderate/Severe Disabilities	editorial title			
	EDUC 547 Atypical Learning Patterns to Atypical Learning patterns and Curricular Adaptations	editorial title			
	EDUC 550 Assessment of the Exceptional Individual to Assessment Strategies for Special Education	editorial title			
	EDUC 551 Characteristics of the Severely Handicapped to Characteristics and Instruction of Pupils with Moderate/Severe Disabilities	editorial title	(3) 3 sem	(3) 3 sem	
	EDUC 553 Current Issues in Special Education to Current Issues, Emerging Research and Practices in Special Education	editorial title			
	EDUC 580 Summer Quarter Field Experiences: General and Special Education	new	(4) supv		CR/NC Repeatable to 12 units
	EDUC 582 Summer Quarter Special Education Seminar	new	(4) 4 sem		
	EDUC 591 Induction Planning and Assessment of Competencies	new	(1-6) supv		CR/NC Maximum 6 units
	EDUC 592 Principles of Administrative Practice	new	(1) 1 sem		CR/NC Repeatable in same quarter. Maximum 18 units
	EDUC 598 Reading and Conference	deleted			

## Master of Science in Accounting

### Summary Statement of Proposed New Degree Program

**1. Title of Proposed Program.**

Master of Science in Accounting

**2. Objectives of the Proposed Program.**

The mission is to offer a flexible, technologically superior program that encourages students to develop their critical thinking and interpersonal skills and ensures that they meet the educational requirements of the Public Accounting profession. A goal of the program is to integrate classroom learning with practical experience by including a required internship in the program. Other objectives include the development of: strong technology skills through assignments requiring state-of-the-art accounting software applications and databases; enhanced critical thinking skills through the use of real-life case studies; and improved interpersonal skills through team activities, interactive pedagogies, and internship activities.

**3. Anticipated Student Demand.**

	Number of Students		
	<u>at initiation</u>	<u>3 years after initiation</u>	<u>5 years after initiation</u>
Number of Majors	50	50	50-60
Number of Graduates	0	50	50

**4. If additional resources will be required, indicate the commitment to allocate them.**

The current College of Business facilities are sufficient to support the coursework and computer lab requirements. The program will require two additional faculty members and additional staff support. Existing faculty members' teaching loads will be more diverse because of the number of different courses that are offered. The Dean of the College of Business, Bill Boynton, states that "The proposal has undergone a very comprehensive review process within the College of Business and has won overwhelming endorsement at every level. I have carefully considered the resource requirements of this program and am fully satisfied that the College can meet the program resource needs as identified in the proposal."

**5. If the program is occupational or professional, summarize evidence of need for graduates with this specific education background.**

The Public Accounting concentration and the MS Accounting program have been developed to meet the education requirement for membership in AICPA. As of January 2000, the AICPA will require students to complete 150 semester hours of education prior to membership. Graduates will be eligible to sit for the CPA exam in any state will enjoy reciprocity between states. In March 1994 the Cal Poly Accounting Advisory Board conducted a survey of alumni, recruiters and supervisors from accounting firms, industry and government. The proposed program is responsive to the feedback received from these sources.

**6. If the new program is currently a concentration or specialization, include a brief rationale for conversion.**

The current Accounting Concentration under the BS Business Administration is being revised to split the area into three concentrations: Public Accounting, Enterprise Accounting, and Accounting Information Systems. The Public Accounting Concentration has been created to interface with the



MS Accounting program to ensure the goal of providing students with more breadth in communication skills. These students will take an additional 4 units of upper division coursework in English or speech; and an additional 4 units in English, speech, philosophy, sociology, economics or statistics.

7. **If the new program is not commonly offered as a bachelor's or master's degree, provide compelling rationale explaining how the proposed subject area constitutes a coherent, integrated degree major which has potential value for students. If the new program does not appear to conform to the Trustee policy calling for "broadly based programs," provide rationale:**

The MS Accounting is a commonly offered program.

8. **Briefly describe how the new program fits with the campus/college strategic plan.**

The MS Accounting is one of the five selected goals included in the Strategic Plan for the College of Business.

9. **Provision for meeting accreditation requirements, where applicable.**

Both the BS degree program in Business Administration and the Masters of Business Administration are fully accredited by the American Assembly of Collegiate Schools of Business (AACSB). The AACSB policy is to extend accreditation to subsequent new programs until the next review cycle.

10. **For graduate programs, how will the culminating experience be accomplished (thesis, project or comprehensive exam)?**

The culminating experience is a comprehensive examination included in the final specialization coursework: GSA 545 Advanced Research/Communication (financial reporting) or GSA 549 Taxation of Flow-Through Entities (tax).

**MS Accounting, Specialization in  
FINANCIAL REPORTING**

**Summer Quarter**

GSA 535 Legal Aspects Commercial Transactions .	4
GSA 541 Advanced Financial Reporting Issues I ....	4
GSA 544 Advanced Enterprise Wide Business Processes.....	4

**Fall Quarter**

GSA 542 Auditing	4
GSA 543 Advanced Financial Reporting Issues II ...	4
Approved Elective.....	4

**Winter Quarter**

GSA 590 Internship .....	9
--------------------------	---

**Spring Quarter**

GSA 545 Advanced Research/Communications .....	4
Approved electives.....	8
	<hr/> 45

**MS Accounting, Specialization in TAX**

**Summer Quarter**

GSA 535 Legal Aspects Commercial Transactions .	4
GSA 541 Advanced Financial Reporting Issues I ....	4
GSA 546 Tax Research and Administrative Procedures .....	4

**Fall Quarter**

GSA 542 Auditing	4
GSA 547 Corporate Taxation.....	4
Approved elective.....	4

**Winter Quarter**

GSA 548 Adv. Individual Taxation & Tax Planning	4
GSA 590 Internship .....	9

**Spring Quarter**

GSA 549 Taxation of Flow-Through Entities .....	4
GSA 550 Advanced Corporate Taxation.....	4
	<hr/> 45

# Master of Science in Industrial Engineering

## Summary Statement of Proposed New Degree Program

**1. Title of Proposed Program.**

Master of Science in Industrial Engineering

**2. Objectives of the Proposed Program.**

Objectives of the program are to educate engineers to support industry needs in design, optimization, reengineering processes, planning, modeling, quality assurance and reliability; to augment and support research activities; and to prepare research-oriented students for entrance into Ph.D. engineering programs.

**3. Anticipated Student Demand.**

	Number of Students		
	<u>at initiation</u>	<u>3 years after initiation</u>	<u>5 years after initiation</u>
Number of Majors	10	20	30
Number of Graduates	0	10	20

**4. If additional resources will be required, indicate the commitment to allocate them.**

No additional resources needed since the proposed degree program will replace the existing specialization.

**5. If the program is occupational or professional, summarize evidence of need for graduates with this specific education background.**

Occupational Employment Statistics indicate a growing need for management analysts, systems analysts, operations research analysts, industrial engineers and cost estimators, both in California and nationwide. California industries are at the forefront of constant innovation in manufacturing systems and reengineering of existing processes. Engineers, irrespective of undergraduate major, are deployed to design and optimize industrial processes and methods with a view to add value to products and services at the least cost and at the right time. Working engineers often seek graduate study that will strengthen their skills in planning, engineering, optimization, and management processes.

**6. If the new program is currently a concentration or specialization, include a brief rationale for conversion.**

The MS Engineering program currently offers a specialization in Industrial Engineering. The specialization began in 1985. In the past decade, laboratory facilities have improved in areas of computer support, metrology, electronic manufacturing, and automation. In addition, faculty members work closely with several California industries and have established strong individual ties in their respective areas of specialty. 12 of 14 of the faculty have advanced research degrees in Industrial or Manufacturing engineering.

**7. If the new program is not commonly offered as a bachelor's or master's degree, provide compelling rationale explaining how the proposed subject area constitutes a coherent, integrated degree major which has potential value for students. If the new program does not**

**appear to conform to the Trustee policy calling for "broadly based programs," provide rationale:**

The MS degree program in Industrial Engineering is a commonly offered graduate program.

**8. Briefly describe how the new program fits with the campus/college strategic plan.**

From the College of Engineering Strategic Plan, "1-2a. Adapt curricula to meet evolving needs in California and the world, \*Bioengineering, \*Mechatronics, \*Graduate Program."

**9. Provision for meeting accreditation requirements, where applicable.**

Only one level of program per university is accredited by ABET--either undergraduate or graduate. The BS Industrial Engineering degree program is fully accredited by ABET and we do not have any plans to seek accreditation at the Master's level.

**10. For graduate programs, how will the culminating experience be accomplished (thesis, project or comprehensive exam)?**

The culminating experience is either IME 599 Design Project (Thesis) or 9 units of approved electives and a comprehensive examination.

**Curriculum for MS Industrial Engineering**

**Core Courses ..... 12**

IME 503 Applied Statistical Methods in Industrial Engineering (4) (pending approval) *or*

IME 501 Graduate Survey I (3)

IME 541 Advanced Operations Research (4)

IME 545 Advanced Topics in Simulation (4)

Additionally the following courses may be considered with the approval of the Chair or Program coordinator:

MATH 406, 431, 432; CSC 587, 588;

IME 407, 426; STAT 512

**Thesis or non-thesis option ..... 9**

Thesis with oral defense:

IME 599 Design Project (Thesis) (2) (2) (5)

*or:*

Non-thesis option:

9 units of approved electives and a comprehensive examination

**Approved electives ..... 24**

Electives selected with graduate adviser's approval, selected from the following:

BUS 412

IME 409, 411, 418, 427, 431, 516, 526, 542, 543, 544, 555, 556, 560, 580



## Master of Public Policy (MPP)

### Summary Statement of Proposed New Degree Program

**1. Title of Proposed Program.**

Master of Public Policy

Department Proposing to Offer the Program:

Political Science, in collaboration with City & Regional Planning

Intended Date of Implementation: Fall 2000

**2. Objectives of the Proposed Program.**

The primary objective is to provide students with advanced education in the analytic skills necessary to understanding the critical aspects of governmental policymaking. The understanding of the public policy process involves the dynamics associated with how policymakers respond to public needs, the policies that are enacted, how they are implemented, and assessment studies on their effectiveness. The MPP program seeks to develop the following competencies and qualities in its graduates: critical thinking and problem solving, communications and related social skills, knowledge of current policy issues and analytical approaches, and research capabilities.

**3. Anticipated Student Demand.**

	Number of Students		
	<u>at initiation</u>	<u>3 years after initiation</u>	<u>5 years after initiation</u>
Number of Majors	15	25	30
Number of Graduates	0	20	30

**4. Indicate the kind of resource assessment used by the campus in determining to place the program on the academic plan. If additional resources will be required, the summary should indicate the extent of university commitment to allocate them and evidence that campus decision-making committees were aware of the sources of resource support when they endorsed the proposal.**

A thorough assessment of resources was conducted by the Chair of the Political Science Department and the Dean of the College of Liberal Arts. Resources will come from replacing the existing undergraduate concentration in public administration within the political science major with the master's program. As this department anticipates more than the usual proportion of retirements in the near future, it will have opportunities to hire with the new program in mind. No additional resources will be required.

The Senate Curriculum Committee reviewed and recommended approval of the MPP proposal during Spring Quarter 1999. The proposal will be on the Senate's Fall Quarter 1999 agenda.

5. **If the program is occupational or professional, summarize evidence of need for graduates with this specific education background.**

A market survey was conducted Spring 1999.

In exit surveys with undergraduates, over half (52%) show an interest in pursuing a graduate degree program, and almost 30% have moderate to high interest in a policy and administration program. Of the 84 graduates in 1997-98, 25 showed interest in pursuing the MPP. Since the program is open to students of any major from this institution or others, we are confident that there will be a continued strong demand for the program. The College of Liberal Arts has over 400 graduates each year. Additionally, the program is attractive to mid-career individuals in government and nonprofits in the community.

MPP graduates traditionally have nearly 100% employment in the U.S. Graduate students at Cal Poly are no exception. California Employment Development Department shows analyst jobs as the fastest growing sector in San Luis Obispo County in 1995. Further public sector analyst jobs continue to have openings.

6. **If the new program is currently a concentration or specialization, include a brief rationale for conversion.**

The existing undergraduate concentration in public administration within the political science major will be replaced with the master's program. These courses are generally part of master's level programs. The undergraduate program will be increasingly broad-based, with the specialized studies of public policy occurring at the master's level. This is consistent with needs of employers, mission of the department, and interests of the students.

7. **If the new program is not commonly offered as a bachelor's or master's degree, provide compelling rationale explaining how the proposed subject area constitutes a coherent, integrated degree major which has potential value for students. If the new program does not appear to conform to the Trustee policy calling for "broadly based programs," provide rationale:**

The Master of Public Policy is a commonly offered graduate program. CSU Sacramento and Berkeley also offer the MPP. Twelve CSU campuses offer the Master of Public Administration. MPA programs include coursework relevant to the management of public service organizations, including human resources, budgeting and financial processes, while the MPP focuses more on the analysis of public policies and planning. Cal Poly's MPP program proposal includes two 20-unit specializations: Administration & Policy and Planning & Policy. The Planning & Policy specialization is developed in collaboration with the faculty of the Master of City and Regional Planning program.

8. **Briefly describe how the new program fits with the campus and college strategic plans.**

The College of Liberal Arts Strategic Plan (May 1998) supports the MPP proposal as follows:

**I. Intellectual Environment.**

Strategy 6: Build new interdisciplinary, professional master's degree programs appropriate to Cal Poly and market demand, contingent on sufficient space, financial resources, and additional student allocation.

Explore market for, design of, and resources (including the redirection of existing resources expended on undergraduate education in public administration) to support a professional master's degree program in public policy.

**9. Provision for meeting accreditation requirements, where applicable.**

Not applicable. The National Association of Schools of Public Affairs and Administration (NASPAA) accredits MPA programs, but not MPP programs.

**10. For graduate programs, how will the culminating experience be accomplished (thesis, project or comprehensive exam)?**

The culminating experience is a two-course seminar sequence where policy studies will be conducted as well as a comprehensive exam arranged by the student and the program director.

## Master of Public Policy

### CORE COURSES

POLS 455 Public Policy .....	4
POLS 518 Public Policy Analysis .....	4
STAT 512 Statistical Methods .....	4
POLS 586 Policy Internship (new course) .....	8
POLS 590 Graduate Seminar (new course) .....	8

**SPECIALIZATION (select one) ..... 20**

#### Administration and Policy Specialization

- \* POLS 452 Public Finance (4)
- \* POLS 453 Administrative Theory & Behavior (4)
- \* POLS 454 Public Personnel Policy (4)
- Adviser approved electives (400-500 level) (8)
- \* *These courses will change to 500-level in 2001 Catalog*

#### Planning and Policy Specialization

- CRP 510 Planning Theory (4)
- CRP 513 Planning Research Methods (4)
- CRP 520 Feasibility Studies in Planning (4)
- Adviser approved electives (400-500 level) (8)

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Adopted:

ACADEMIC SENATE  
Of  
CALIFORNIA POLYTECHNIC STATE UNIVERSITY  
San Luis Obispo, CA

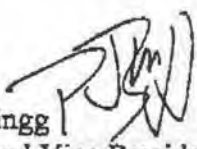
AS-\_\_\_-99/AE  
RESOLUTION ON  
DEPARTMENT NAME CHANGE FOR THE  
AERONAUTICAL ENGINEERING DEPARTMENT

1 WHEREAS, The Aeronautical Engineering Department has requested the name of its  
2 department be changed to the **Aerospace Engineering Department** to better  
3 reflect the program the department is currently offering; and  
4

5 WHEREAS, The request for this name change has been approved by the Academic Deans'  
6 Council, the Dean for the College of Engineering, and the College of  
7 Engineering caucus, therefore, be it  
8

9 RESOLVED: That the name of the Aeronautical Engineering Department be changed to the  
10 **Aerospace Engineering Department.**

Proposed by: The Aeronautical Engineering Department  
Date: September 21, 1999

State of California  
Memorandum**CAL POLY****To:** Myron Hood, Chair  
Academic Senate**Date:** March 17, 1999**From:** Paul J. Zingg   
Provost and Vice President for Academic Affairs**Copies:** Peter Y. Lee *sf*  
Jin Tso  
David Conn**Subject:** Request for Department Name Change—  
Aeronautical Engineering

This is to inform you that at its meeting on Monday, March 15, 1999, the Academic Deans' Council unanimously approved of the departmental name change of Aeronautical Engineering to "Aerospace Engineering." Enclosed is a copy of the Department's request for this name change.

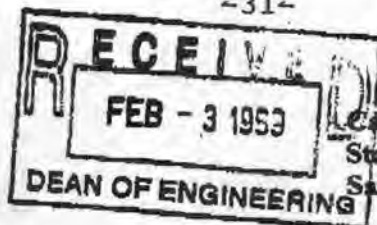
As a result of the action taken by the Deans' Council, I would appreciate the Academic Senate reviewing this matter as soon as possible. If you have any questions, please do not hesitate to contact either me or Dean Peter Lee. Thank you.

Enclosure

Post-it® Fax Note	7671	Date	8/4	# of pages	2
To	Margaret Cameron	From	Paul J. Zingg		
Co. Dept.	Aeronautical Engineering	Co.			
Phone #		Phone #	756-2187		
Fax #	67027	Fax #	756-5292		

-31-

State of California

California Polytechnic  
State University  
San Luis Obispo, CA 93407

## MEMORANDUM

To: Paul Zingg  
Provost and VP for Academic Affairs

Date: February 2, 1999

Via: Peter Lee, Dean  
College of Engineering

P.L.

From: Jin Tso, Chair  
Aeronautical Engineering Department

Copies: L. Dalton, H. Greenwald,  
J. Hanley, K. Ikeda,  
S. Opava, H. Sharp,  
D. Walsh, M. Whiteford,  
Aero Faculty

RE: Name Change to Aerospace Engineering Department

This memo is to request the change of our Department's name from Aeronautical Engineering Department to Aerospace Engineering Department.

For years, the Aeronautical Engineering Department, as the name implies, has been a department of aircraft. Then, in 1993, witnessing the rapid growth in the space industry and the students' rising interest in satellites, launch vehicles, and other space systems, we initiated the addition of the Astronautics Concentration to the long existing Aeronautics Concentration in our program. The request was approved and the new Concentration was listed in the 1994-97 Cal Poly catalog. Because of the State's severe budget situation, this new Concentration was barely implemented in 1994. Nonetheless, we did manage to offer an experimental spacecraft design course in Fall 1995 and 1996 to meet student demand. The responses to this course from both students and industry partners were overwhelmingly positive. Encouraged by this outcome, we moved forward in Fall 1997 to fully implement the Astronautics Concentration.

Meanwhile, the Aero faculty took the initiative in 1997 to respond to the 30 MSS/DPE Request for Proposal to offer an innovative M.S. degree program in *astronautical engineering* to Air Force engineers and officers at Vandenberg AFB. The program proposal received strong approval from WASC in July 1997. Through the cooperation among the College of Engineering, the Information Technology Services, and the Institutional Planning Office, a three-year budget plan has been developed for this program. The proposal has also been approved recently by the Air Force headquarters. We are now awaiting the final agreement of the MOU between Cal Poly and Vandenberg AFB to launch this exciting distance-learning degree program.

With the Astronautics Concentration and the M.S. program at VAFB in place, our current and future students and the aerospace industry must now identify us by a new name. Our choice is **Aerospace Engineering Department**. This new name encompasses our widened focus and strength in both aeronautical and astronautical engineering. It mirrors the name of the industry we train our students for. It is unanimously supported by the Aero faculty and enthusiastically favored by our Industrial Advisory Board. We hope that you will agree with the same and approve the requested name change. Thanks in advance for your consideration.